

INTERNATIONAL SEARCH REPORT

Application No

PCT/GB 03/01959

A. CLASSIFICATION OF SUBJECT MATTER
 IPC 7 H01M4/46 H01M8/10 H01M4/86

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
 IPC 7 H01M

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, CHEM ABS Data, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category * | Creation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|------------|--|-----------------------|
| X | WO 01/18894 A (DANISH POWER SYSTEMS APS; BJERRUM, NIELS, JANNIKSEN; LI, QINGFENG; HJU) 15 March 2001 (2001-03-15) | 1-5,8-12 |
| Y | page 12, line 4 – page 13, line 7 page 15, line 19 – line 31 page 17, line 4 – line 18 examples 1-9 | 1-14 |
| Y | EP 0 577 291 A (JOHNSON MATTHEY PUBLIC LIMITED COMPANY) 5 January 1994 (1994-01-05) cited in the application page 6, right-hand column, line 7 – page 7, left-hand column, line 36; claim 9 | 1-14 |
| Y | WO 00/45448 A (CALIFORNIA INSTITUTE OF TECHNOLOGY; NARAYANAN, S., R; ATTI, TONY; PRAK) 3 August 2000 (2000-08-03) page 5, line 4 – line 26 | 1-14 |

 Further documents are listed in the continuation of box C. Patent family members are listed in annex.

* Special categories of cited documents :

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the International filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the International filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
- *Z* document member of the same patent family

| | |
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| Date of the actual completion of the international search 8 February 2005 | Date of mailing of the International search report 17/02/2005 |
| Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl Fax (+31-70) 340-3016 | Authorized officer Sánchez García, J.M. |

Form PCT/ISA/210 (second sheet) (January 2004)

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FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

Continuation of Box I.2

Claims Nos.: 1,3-8,10-14, partially

Present claims 1,3-8,10-14 relate to an extremely large number of possible compounds of Structure A. Support within the meaning of Article 6 PCT and/or disclosure within the meaning of Article 5 PCT is to be found, however, for only a very small proportion of the compounds claimed. In the present case, the claims so lack support, and the application so lacks disclosure, that a meaningful search over the whole of the claimed scope is impossible. Consequently, the search has been carried out for those parts of the claims which appear to be supported and disclosed, namely those parts relating to the compounds of formula A mentioned in the description (see page 4, lines 10-14 and claims 2 and 9).

The applicant's attention is drawn to the fact that claims relating to inventions in respect of which no international search report has been established need not be the subject of an international preliminary examination (Rule 66.1(e) PCT). The applicant is advised that the EPO policy when acting as an International Preliminary Examining Authority is normally not to carry out a preliminary examination on matter which has not been searched. This is the case irrespective of whether or not the claims are amended following receipt of the search report or during any Chapter II procedure. If the application proceeds into the regional phase before the EPO, the applicant is reminded that a search may be carried out during examination before the EPO (see EPO Guideline C-VI, 8.5), should the problems which led to the Article 17(2) declaration be overcome.

INTERNATIONAL SEARCH REPORTapplication No.
PCT/GB 03/01959**Box I Observations where certain claims were found unsearchable (Continuation of Item 1 of first sheet)**

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:

2. Claims Nos.: 1, 3-8, 10-14, partially because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
see FURTHER INFORMATION sheet PCT/ISA/210

3. Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

1. As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.

2. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.

3. As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:

4. No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- The additional search fees were accompanied by the applicant's protest.
 No protest accompanied the payment of additional search fees.

INTERNATIONAL SEARCH REPORT

Int'l Application No
PCT/GB 03/01959

| Patent document cited in search report | | Publication date | | Patent family member(s) | Publication date |
|--|---|------------------|--|--|--|
| WO 0118894 | A | 15-03-2001 | AU WO EP | 6984500 A 0118894 A2 1222707 A2 | 10-04-2001 15-03-2001 17-07-2002 |
| EP 0577291 | A | 05-01-1994 | AT AU CA DE DE DK EP ES JP JP US | 164705 T 4137293 A 2098800 A1 69317700 D1 69317700 T2 577291 T3 0577291 A1 2114005 T3 3211997 B2 6052862 A 5501915 A | 15-04-1998 23-12-1993 21-12-1993 07-05-1998 20-08-1998 01-02-1999 05-01-1994 16-05-1998 25-09-2001 25-02-1994 26-03-1996 |
| WO 0045448 | A | 03-08-2000 | AU AU CA EP WO US | 759819 B2 4795300 A 2359869 A1 1171924 A2 0045448 A2 2003207167 A1 | 01-05-2003 18-08-2000 03-08-2000 16-01-2002 03-08-2000 06-11-2003 |